

ABSTRACT

A system and method for controlling contamination of harmful substances such as fungi
5 in structures, which comprises the aspects of controlled evacuation of contamination in cavities
within a structure, removal of the source of contamination at hard-to-reach structures in a
substantially non-destructive manner, and treatment of contaminated surfaces to prevent re-
contaminations. Controlled evacuation may be facilitated by creating a pressure gradient in a
contaminated cavity, such as by drawing air through one or more inlets and outlets created in the
10 structure while maintaining relatively safe containment of the contaminated air. The drawn air
may be filtered to remove contaminants. The substantially non-destructive source removal
process may include the use of biocide or microwaves to abate the mold colony in hard-to-reach
structures. The surface treatment process comprises the application of a lock-down material to
prevent re-contaminations.

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